

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/059393 A1

(51) International Patent Classification⁷: **A61K 47/48**,
A61P 1/04, A61K 31/4439

(81) Designated States (*national*): AE, AL, AU, BA, BR, CA, CN, CO, CU, DZ, EC, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, RO, SG, TN, UA, US, VN, YU, ZA, ZW.

(21) International Application Number: PCT/EP03/00242

(22) International Filing Date: 13 January 2003 (13.01.2003)

(84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02000288.7 15 January 2002 (15.01.2002) EP
02006454.9 22 March 2002 (22.03.2002) EP

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AL, AU, BA, BR, CA, CN, CO, CU, DZ, EC, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, RO, SG, TN, UA, VN, YU, ZA, ZW, Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR)
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

(71) Applicant (*for all designated States except US*): **ALTANA PHARMA AG** [DE/DE]; Byk-Gulden-Str. 2, 78467 Konstanz (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **GIORDANO, Ferdinando** [IT/IT]; Via Di Vittorio, 4, I-27020 TORRE D'ISOLA, PAVIA (IT). **MARZOCCHI, Lucia** [IT/IT]; Via Casale 20, Grondola di Pontremoli, I-54027 PONTREMOLI, MASSA CARRARA (IT). **MOYANO, Jose, Ramon** [ES/ES]; Calle Leon XIII, 41092 SEVILLE (ES). **ROSSI, Alessandra** [IT/IT]; Via Don Camillo Ruta, 1, I-27049 STRADELLA, PAVIA (IT).

Published:

- with international search report

(74) Common Representative: **ALTANA PHARMA AG**; Byk-Gulden-Strasse 2, 78467 Konstanz (DE).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/059393 A1

(54) Title: PANTOPRAZOLE CYCLODEXTRIN INCLUSION COMPLEXES

(57) Abstract: An inclusion complex formed from pantoprazole and cyclodextrin is described.